

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A turbine comprising:
  - (a) a first rotating portion configured to rotate about an axis, the first rotating portion comprising a plurality of first fluid outlets; and,
  - (b) a second rotating portion configured to rotate about said axis, the second rotating portion comprising a plurality of second fluid outlets proximate to said plurality of first fluid outlets on the first rotating portion, wherein the second fluid outlets are positioned radially outwardly from the first fluid outlets; and,
  - (c) a base comprising a first set of bearings for supporting said first rotating portion and a second set of bearings for supporting said second rotating portion, such that said first rotating portion and said second rotating portion rotate freely with respect to said base,  
wherein when a fluid is directed out said first fluid outlets, said first rotating portion rotates in a first sense, and said fluid is directed out said second fluid outlets, thereby causing said second rotating portion to rotate in a sense opposite to said first sense.
2. (Currently amended) The turbine of claim 1 wherein the second fluid outlets are positioned radially outwardly from the first fluid outlets the first rotating portion is positioned concentrically with respect to said second rotating portion and wherein the axis is vertically oriented.
3. (Original) The turbine of claim 1 wherein the first rotating portion comprises first baffles which define the first fluid outlets.
4. (Original) The turbine of claim 3 wherein the first baffles have a first curvature.
5. (Original) The turbine of claim 4 wherein the second rotating portion comprises second baffles which define the second fluid outlets.

6. (Original) The turbine of claim 5 wherein the second baffles have a second curvature opposite to the first curvature.
7. (Currently amended) An electrical power system comprising the turbine of claim 1 and a generator, the generator comprising an armature coupled to said first rotating portion and a field coupled to said second rotating portion and positioned concentrically with respect to said rotating portion, wherein the first rotating portion is connected to drive the armature, and the second rotating portion is connected to drive the field, so that when a high pressure fluid is directed out said first fluid outlets, said armature rotates freely in a said first sense, and said high pressure fluid is forced out said second fluid outlets, thereby causing said field to rotate freely in a said sense opposite to said first sense.
8. (Currently amended) The electrical power system of claim 7 wherein the ~~second fluid outlets are positioned outwardly from the first fluid outlets comprising:~~
  - (a) a separator positioned between the turbine and the generator, the separator defining an aperture for allowing the first and second shafts to pass therethrough;
  - (b) a third set of bearings coupled to the separator for supporting the first shaft; and
  - (c) a fourth set of bearings coupled to the first shaft for supporting the second shaft.
9. (Original) The electrical power system of claim 7 wherein the first rotating portion comprises baffles which define the first fluid outlets.
10. (Currently amended) The electrical power system of claim 9 wherein the baffles are curved 8 wherein the axis is vertically oriented.
11. (Original) The electrical power system of claim 7 wherein the second rotating portion comprises baffles which define the second fluid outlets.
12. (Currently amended) The electrical power system of claim 11 wherein the baffles are curved 10 wherein the separator comprises a floor and

wherein the generator is positioned above the floor and the turbine is positioned below the floor.

13. (Currently amended) An electrical power system comprising the turbine of claim 1 and a generator, the generator comprising an armature coupled to said second rotating portion and a field coupled to said first rotating portion and positioned concentrically with respect to said armature, ~~wherein the first rotating portion is connected to drive the field and the second rotating portion is connected to drive the armature~~, so that when a high pressure fluid is directed out said first fluid outlets, said field rotates freely in a said first sense, and said high pressure fluid is forced out said second fluid outlets, thereby causing said armature to rotate freely in a said sense opposite to said first sense.
14. (Currently amended) The electrical power system of claim 13 wherein ~~the second fluid outlets are positioned outwardly from the first fluid outlets comprising:~~
  - (a) a separator positioned between the turbine and the generator, the separator defining an aperture for allowing the first and second shafts to pass therethrough;
  - (b) a third set of bearings coupled to the separator for supporting the first shaft; and
  - (c) a fourth set of bearings coupled to the first shaft for supporting the second shaft.
15. (Original) The electrical power system of claim 13 wherein the first rotating portion comprises baffles which define the first fluid outlets.
16. (Original) The electrical power system of claim 15 wherein the baffles are curved 14 wherein the axis is vertically oriented.
17. (Original) The electrical power system of claim 13 wherein the second rotating portion comprises baffles which define the second fluid outlets.
18. (Original) The electrical power system of claim 17 wherein the baffles are curved 16 wherein the separator comprises a floor and wherein the

generator is positioned above the floor and the turbine is positioned below the floor.

19. (Cancelled)
20. (Cancelled)
21. (New) An electrical power generation system comprising:
  - (a) a turbine comprising a first rotating portion and a second rotating portions, the first and second rotating portions concentrically oriented with respect to each other and configured to rotate about an axis in opposite senses when a fluid is forced through said turbine;
  - (b) a generator comprising
    - (i) an outer portion comprising one of an armature and a field and coupled to the first rotating portion by a first shaft; and,
    - (ii) an inner portion comprising the other of the armature and the field and coupled to the second rotating portion by a second shaft positioned concentrically within the first shaft, the outer and inner portions concentrically oriented with respect to each other and configured to rotate about the axis;
  - (c) a base comprising:
    - (i) a first set of bearings for supporting the first rotating portion, the first shaft and the outer portion, such that the first rotating portion, the first shaft and the outer portion rotate freely with respect to the base; and,
    - (ii) a second set of bearings for supporting the second rotating portion, the second shaft and the inner portion, such that the second rotating portion, the second shaft and the inner portion rotate freely with respect to the base.
22. (New) The electrical power generation system of claim 21 comprising:
  - (a) a separator positioned between the turbine and the generator, the separator defining an aperture for allowing the first and second shafts to pass therethrough;

- (b) a third set of bearings coupled to the separator for supporting the first shaft; and
- (c) a fourth set of bearings coupled to the first shaft for supporting the second shaft.